

## Chapter9\_example6

The capacitance value of raw water is 149820 BTU/(hr. degree R)

The capacitance value of distilled water is 169660 BTU/(hr. degree R)

Raw water has minimum capacitance

The required parameters are  $mcp\_min/mcp\_max=0.883$  and  $(UoAo/mcp\_min)=1.64$

The maximum heat transfer is  $6.74e+06$  BTU/hr

The actual heat transfer is  $3.91e+06$  BTU/hr

The Outlet temperatures are:

Raw Water:91.1 degree F

Distilled Water:87.0 degree F